

ABSTRACT OF THE DISCLOSURE

A medium voltage controller for electrical equipment, such as motors, transformers, reactors, and capacitors, having an arc resistant cabinet, swaged internal electrical connections, a one-piece self-aligning withdrawable finger cluster, a pull-out instrument compartment, a load discharge device, cast fuse holders, disconnect switch, a switch illuminator, low power current transformers, and an optical temperature measuring system. The load discharge device is compact and provides fast earthing of the load-side cables. The device has a scissors-type linkage and is charged by compressing at least one spring. The scissors-linkage, when in an almost-straight-line alignment, holds the compressed springs. An actuator moves one member of the scissors-linkage, thereby removing the holding alignment of the scissors-linkage. The springs move an earthing bar at high acceleration to ground the line-side cables.